

TRI Total Releases (1988, 1995, and 1999-2000), Original* (Manufacturing) Industries

	1988	1995	1999	2000	Change 1988-2000	
	Number	Number	Number	Number	Number	Percent
Total Forms	60,100	61,049	57,800	57,321	-2,779	-4.6
Form Rs	60,100	56,008	49,601	48,865	--	--
Form As	--	5,041	8,199	8,456	--	--
On-site Releases	Pounds	Pounds	Pounds	Pounds	Pounds	Percent
Total Air Emissions	2,180,542,989	1,205,159,279	862,632,766	800,756,085	-1,379,786,904	-63.3
Fugitive Air Emissions	680,408,475	307,072,846	198,457,524	183,898,550	-496,509,925	-73.0
Point Source Air Emissions	1,500,134,514	898,086,433	664,175,242	616,857,536	-883,276,978	-58.9
Surface Water Discharges	41,912,257	17,094,344	14,403,138	14,621,472	-27,290,785	-65.1
Underground Injection	161,910,712	154,738,867	109,328,491	111,331,713	-50,578,999	-31.2
On-site Land Releases	405,807,542	269,871,022	325,046,057	285,580,038	-120,227,504	-29.6
Total On-site Releases	2,790,173,500	1,646,863,512	1,311,410,452	1,212,289,308	-1,577,884,192	-56.6
Off-site Releases						
Storage Only ^a	13,774,065	2,220,372	6,046,121	7,820,720	-5,953,345	-43.2
Solidification/Stabilization ^b	29,504,218	26,444,178	133,633,858	142,351,513	112,847,295	382.5
Metals and Metal Compounds Only						
Wastewater Treatment (Excluding POTWs) ^c	4,645,783	3,882,834	6,583,081	6,701,369	2,055,586	44.2
Metals and Metal Compounds Only						
Transfers to POTWs ^d	9,587,143	2,722,085	3,144,502	3,143,092	-6,444,051	-67.2
Metals and Metal Compounds Only						
Underground Injection	8,734,876	12,129,030	19,895,785	19,009,127	10,274,251	117.6
Landfills/Surface Impoundments	264,707,267	215,580,481	220,705,243	234,977,336	-29,729,931	-11.2
Land Treatment	2,701,526	853,636	2,853,007	2,174,105	-527,421	-19.5
Other Land Disposal	9,349,634	10,523,661	12,123,026	7,770,612	-1,579,022	-16.9
Other Off-site Management	37,438,997	13,529,710	9,064,895	7,418,660	-30,020,337	-80.2
Transfers to Waste Broker for Disposal	29,723,527	4,746,053	10,821,657	13,648,286	-16,075,241	-54.1
Unknown ^e	11,242,692	1,847,406	3,358,968	4,022,510	-7,220,182	-64.2
Total Off-site Releases	421,409,728	294,479,446	428,230,142	449,037,330	27,627,602	6.6
(Transfers Off-site to Disposal)						
Total On- and Off-site Releases	3,211,583,228	1,941,342,958	1,739,640,594	1,661,326,638	-1,550,256,590	-48.3

Note: Does not include delisted chemicals, chemicals added in 1990, 1994 and 1995, aluminum oxide, ammonia, hydrochloric acid, PBT chemicals, sulfuric acid, vanadium and vanadium compounds. **On-site Releases** are from Section 5 of Form R. **Off-site Releases** are from Section 6 (transfers off-site to disposal) of Form R. **Off-site Releases** include metals and metal compounds transferred off-site for solidification/stabilization and for wastewater treatment, including to POTWs. Breakdown of Underground Injection and On-site Land Releases (for RCRA Subtitle C landfills) began in 1996 reporting year.

^a Storage only (disposal code M10) indicates that the toxic chemical is sent off-site for storage because there is no known disposal method. Amounts reported as transferred to storage only are included as a form of disposal (off-site release).

^b Beginning in reporting year 1997, transfers to solidification/stabilization of metals and metal compounds (waste treatment code M41) are reported separately from transfers to solidification/stabilization of non-metal TRI chemicals (waste treatment code M40). Because this treatment method prepares a metal for disposal, but does not destroy it, such transfers are included as a form of disposal (off-site release). Reports under code M40 of metals and metal compounds have been included in solidification/stabilization of metals and metal compounds in this report.

^c Beginning in reporting year 1997, transfers to wastewater treatment (excluding POTWs) of metals and metal compounds (waste treatment code M61) are reported separately from transfers to wastewater treatment of non-metal TRI chemicals (waste treatment code M60). Because wastewater treatment does not destroy metals, such transfers are included as a form of disposal (off-site release). Transfers of metals and

^d Reported as discharges to POTWs in Section 6.1 of Form R. EPA considers transfers of metals and metal compounds to POTWs as an off-site release because sewage treatment does not destroy the metal content of the waste material.

^e Unknown (disposal code M99) indicates that a facility is not aware of the type of waste management used for the toxic chemical that is sent off-site. Amounts reported as unknown transfers are treated as a form of disposal (off-site release).

* "Original" industries include facilities in manufacturing SIC codes 20-39 as well as federal facilities that report activities in the manufacturing SIC codes or activities not falling within the new industry SIC codes. "New" industries include federal facilities that report activities in the new industry SIC codes.